BEST AVAILABLE COPY

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 26 May 2005 (26.05.2005)

PCT

(10) International Publication Number WO 2005/048592 A1

(51) International Patent Classification⁷:

H04N 5/445

(21) International Application Number:

PCT/JP2004/017220

(22) International Filing Date:

12 November 2004 (12.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/519,113

12 November 2003 (12.11.2003) US

- (71) Applicant (for all designated States except US): MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 5718501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): McCROSSAN, Joseph. OKADA, Tomoyuki. KOZUKA, Masayuki.
- (74) Agents: NAKAJIMA, Shiro et al.; 6F, Yodogawa 5-Bankan 2-1, Toyosaki 3-chome, Kita-ku, Osaka-shi, Osaka 5310072 (JP).

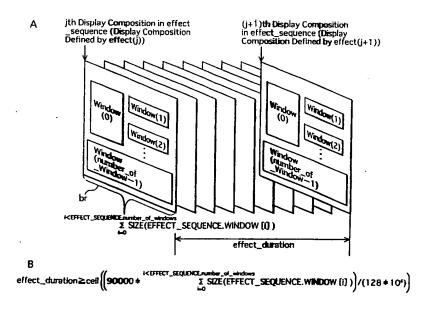
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH. GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: RECORDING MEDIUM, PLAYBACK APPARATUS AND METHOD, RECORDING METHOD, AND COMPUTER-READABLE PROGRAM



(57) Abstract: A BD-ROM stores a video stream and a graphics stream. The video stream represents a moving picture. The graphics stream is used for overlaying one or more menus on the moving picture, and includes interactive control information (ICS) and a plurality of pieces of graphics data (ODSs). The graphics data is used to generate both the menus and an effect for introduction or removal of a menu. The interactive control information includes (i) a reference value (window_id_ ref) specifying a window within which each display composition of graphics is rendered for presenting the effect and (ii) information (effect_duration) showing a

BEST AVAILABLE COPY

WO 2005/048592 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.